



REPLY TO
ATTENTION OF

Programs and Project
Management Division

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, N.Y. 10278-0090

January 14, 2003

To Potentially Interested Parties:

The U.S. Army Corps of Engineers is currently conducting a feasibility study for flood protection and environmental restoration for the Upper Passaic River and Tributaries in Long Hill Township, New Jersey. The study is being conducted in partnership with the New Jersey Department of Environmental Protection.

The study was authorized in a resolution of the Committee on Transportation and Infrastructure of the United States House of Representatives, adopted May 7, 1997.

Studies were initiated with the release of a public notice on June 30, 1999. Activities to date have included the preparation of a topographic survey of the study area in Long Hill Township, the modeling of the hydrology and hydraulics of the Upper Passaic River and its tributaries, environmental studies, cultural resources studies, economic analyses of flood damages, geotechnical investigations, and the formulation of plan alternatives to address the flooding in Long Hill Township.

Long Hill Township is hosting an information meeting at 7PM, January 30, 2003 at the Millington School located at 91 Northfield Road, Millington. Representatives from the Army Corps of Engineers and the New Jersey Department of Environmental Protection will be present to provide an overview on the studies conducted to date, describe the potential alternatives for flood protection, and answer questions related to the study.

If have questions related to the study and cannot attend the meeting you may contact Paul A. Tumminello, P.E., Project Manager at 212-264-0437 or paul.tumminello@usace.army.mil



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New York District

UPPER PASSAIC RIVER AND TRIBUTARIES, NJ

Flood Damage Reduction & Environmental Restoration Feasibility Study

FACT SHEET

DESCRIPTION: The Upper Passaic River study area is located along the Passaic River and several small tributaries in Long Hill Township, New Jersey. In this area, the Passaic River flows along the borders of Long Hill Township and Warren Township, New Jersey. The study area is approximately 15 miles southwest of Newark. The Great Swamp National Wildlife Refuge lies to the north of the area.

Flooding has caused extensive damage to businesses, residences, and infrastructure in and around Valley Road, the major thoroughfare in the town. Adjacent local streets and neighborhoods are inundated, resulting in damages, road, and street closings during flood events. Flood damages are primarily attributable to backwater flooding from the Passaic River into a series of smaller tributaries that drain the floodplain to the river through the town. Increased development and urbanization throughout the watershed has also contributed to higher and more frequent flooding. In addition to the flooding, several areas in Long Hill Township and along the Passaic River have been degraded by development creating environmental problems that threaten fish and wildlife. Ecosystem restoration opportunities exist at these locations along both banks of the Passaic River.

AUTHORIZATION: U. S. House of Representatives Resolution Docket 2517, dated May 7, 1997 authorizes the study of the Upper Passaic River at Long Hill Township, Morris County, New Jersey.

STATUS: On May 27, 1999, the New York District executed a Feasibility Cost Sharing Agreement with the State of New Jersey Department of Environmental Protection. A public notice announcing the initiation of the feasibility study was released on June 30, 1999. Initial feasibility study tasks focused on data gathering, surveying and mapping. Fiscal Year 2001 and 2002 tasks included additional data collection efforts and contract awards for hydrologic and hydraulic modeling, plan formulation, environmental and engineering analyses, and public coordination. Fiscal Year 2003 will focus on finalizing the formulation of a potentially feasible plan, preparation of an environmental assessment, public involvement, and publication of a report documenting the study findings. The report will be circulated for public review and then finalized. If a feasible plan with Federal interest is identified, a recommendation to proceed to design will be made at the end of FY 2003.

STUDY COST:

Estimated Federal Cost	\$ 750,000
Estimated Non-Federal Cost	\$ 750,000
Total	\$1,500,000

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District Areas: NJ #11, Rodney Frelinghuysen, NJ # 7, Mike Ferguson

PLANNING STEPS

*Upper Passaic River
and Tributaries, Long Hill,
New Jersey*

1 Identification of Problems, Needs and Opportunities

- Identify and document history of flood damage.
- Collect ecological baseline information.

2 Formulation of Alternative Plans and Evaluation of Effects

- Identify potential flood control solutions/restoration alternatives.
- Design alternative plans.
- Determine benefits and costs.

3 Comparison of Alternative Plans and Plan Selection

- Develop and implement ecological, cultural resource and engineering studies
- Identify environmental effects: impact assessment and mitigation analysis.
- Compare benefits and costs of alternative plans.
- Select preferred plans (Flood Control and Ecosystem Restoration).

4 Public Information Meeting

- Present potential flood control and ecosystem restoration measures to the local communities and involved agencies.

5 Report Preparation

- Document the plan selection process.
- Prepare Draft EA/Feasibility Study.
- Incorporate the Fish and Wildlife Coordination Act Report.

6 Public Review and Comment

- Present the selected plans to the public and solicit comments from stakeholders.

7 Final Report Submittals

- Incorporate public comments and concerns obtained during the planning/meeting process.
- Prepare the final EA/Feasibility Study.
- The project proceeds into the implementation phase.



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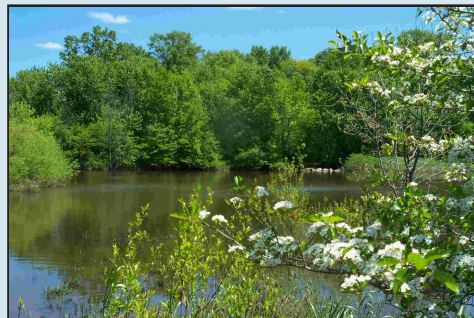
EXISTING CONDITIONS

*Upper Passaic River
and Tributaries, Long Hill,
New Jersey*

NATURAL RESOURCES

CULTURAL RESOURCES

SOCIO-ECONOMIC RESOURCES



- Wetland
- Wildlife
- Fisheries
- Threatened/Endangered Species
- Lakes, Ponds, and Streams/Rivers

- Prehistoric/Historic Archaeological Sites
- Historic Structures

- Residential
- Commercial/Industrial
- Recreational/Parkland



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POTENTIAL FLOOD CONTROL MEASURES

*Upper Passaic River
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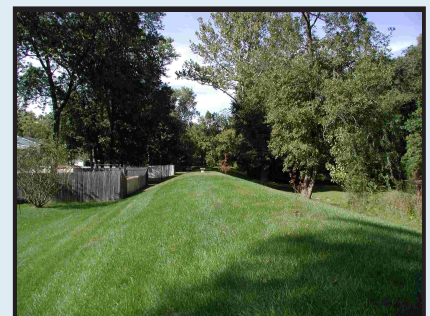
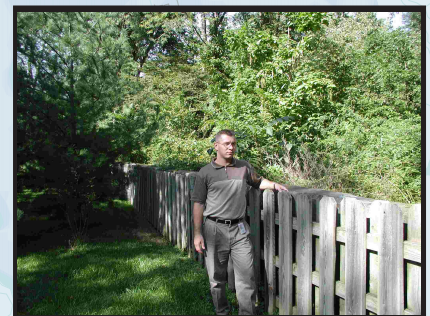
NON-STRUCTURAL

- Property Buy-out
- Floodproofing Buildings
- Flood Warning System
- Elevating Homes
- Preserve Natural Flood Storage Areas



STRUCTURAL

- Floodwalls/Levees
- Road Raising
- Channel Modification
- Detention Basins
- Tributary Closure Structures



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